

WEB E-NEWS FOR NYIMAK.NET



**This Final Project Compiled as a Condition to Complete Bachelor Degree
Program at Informatics Department Faculty of Communication and Information**

Submitted by:

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UNIVERSITAS MUHAMMADIYAH SURAKARTA**

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WEB E-NEWS FOR NYIMAK.NET

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WEB E-NEWS FOR NYIMAK.NET

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Hsan Cahyo Utomo, S.Kom., M.Kom.

Abstrak

Nyimak.net is a web application for finding news and trending topics on a local or international level, and the purpose for which nyimak.net is created is to make simple topics from the case and present them in a brief and easy to understand manner. most millennials and z generations assume that politics and government have a bad reputation, and millennials or z usually hate difficult topics and hard to understand. They even make an assumption without trusted sources, therefore nyimak.net makes trusted news and topics to make it easier for users to read trending topic and follow current vocabulary. Nyimak.net uses Wordpress 5 and the Megazine template. Each news and topic will be managed by staff to find out whether the case is false or true and then staff will write in simple language for easy reading. the result of this final project is to make it easier for users to find reliable sources and make news that suitable for the millennial and z generations.

Keywords: article, media, news, online, wordpress

1. INTRODUCTION

Nowadays technology make things easy for people to communicate, share or get information, and anything. One of example things made easy by technology is obtaining information from digital media, people can get all information and trending topic in the world or national scope.

Most people only get information without caring about it's trustability, especially millennials and z, they are very lazy to find other sources and make assumptions with one source. Even millennial or z shows hate reading more text or formal words, they are more likely love text simple and easy to understand.

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WEB E-NEWS FOR NYIMAK.NET

Abstrak

Nyimak.net is a web application for finding news and trending topics on a local or international level, and the purpose for which nyimak.net is created is to make simple topics from the case and present them in a brief and easy to understand manner. Most millennials and Z generations assume that politics and government have a bad reputation, and millennials or Z usually hate difficult topics and hard to understand. They even make an assumption without trusted sources, therefore nyimak.net makes trusted news and topics to make it easier for users to read trending topic and follow current vocabulary. Nyimak.net uses Wordpress 5 and the Megazine template. Each news and topic will be managed by staff to find out whether the case is false or true and then staff will write in simple language for easy reading. The result of this final project is to make it easier for users to find reliable sources and make news that suitable for the millennial and Z generations.

Keywords: article, media, news, online, wordpress

Abstrak

Nyimak.net adalah aplikasi web untuk menemukan berita dan trending topic di lokal atau internasional, dan tujuan dibuatnya nyimak.net adalah membuat topik sederhana dari kasus dan menyampaikan secara santai dan mudah dipahami. Kebanyakan Generasi milenial dan Z memiliki asumsi bahwa politik dan pemerintahan mempunyai reputasi yang buruk, dan generasi milenial atau Z biasanya membenci topik sulit dan susah di mengerti. Mereka bahkan mengasumsi tanpa sumber terpercaya, maka dari itu nyimak.net membuat berita terpercaya dan topik untuk memudahkan pengguna membaca secara trendi dan mengikuti kosa kata saat ini. Teknologi Nyimak.net menggunakan Wordpress 5 dan template Megazine. Setiap berita dan topik akan dikelola oleh staf untuk mengetahui kasus itu palsu atau benar dan kemudian staf akan menulis dengan bahasa yang santai untuk mudah dibaca. Hasil dari tugas akhir ini adalah memudahkan pengguna untuk menemukan sumber terpercaya dan membuat berita yang suka di kalangan generasi milenial dan Z.

Kata Kunci: artikel, media, news, online, wordpress

1. INTRODUCTION

Nowadays technology make things easy for people to communicate, share or get information, and anything. One of example things made easy by technology is obtaining information from digital media, people can get all information and trending topic in the world or national scope.

Most people only get information without caring about its trustability, especially millennials and z, they are very lazy to find other sources and make assumptions with one source. Even millennial or z shows hate reading more text or formal words, they are more likely love text simple and easy to understand.

Millennial is a phrase used to generally describe someone reaching adulthood at the beginning of the 21st century and includes the generation of people born between 1979 and 1995. And z is the generation of people born between 1996 and 2010.

The data obtained from Hootsuite Indonesia's population is 265.4 million, internet users 132.7 million, almost half of Indonesia's population uses the internet every day, so the potential for internet or media portals is very large, and from user data of Facebook, most user in Indonesia is 18-24 (45,000,000) 25-34 (39,000,000), therefore the greatest potential based on this data is in millennial (25-34) and z (18-24).

For this matter nyimak.net makes a simple media portal for millennial and z generations with an easy-to-understand delivery, using trendy words nowadays, to get our users or customers to need social media to compete, everyone always uses social media (Instagram, Facebook and twitter. Nyimak.net employs freelancers and journalists to look for new cases or topics reliably. After that the topic will be followed up before being published to digital media.

2. METODOLOGY

This study is categorized as applicative studies to find a solution of problem happened in millennial and z generation.

2.1 Requirement Analysis

Requirement analysis is step to determine the system requirement should be fulfilled during system development. The analysis started with collecting data from case everyone and find to know what millennial and z like or find highest the topic. The application will consist of several element such as trending topic, travel, entertainment, comedy, geek, and kreatif.

2.2 Type of Content

Type of content are article, foto, video, infografis and placement are website, facebook, instagram, and youtube.

2.3 Technical Content

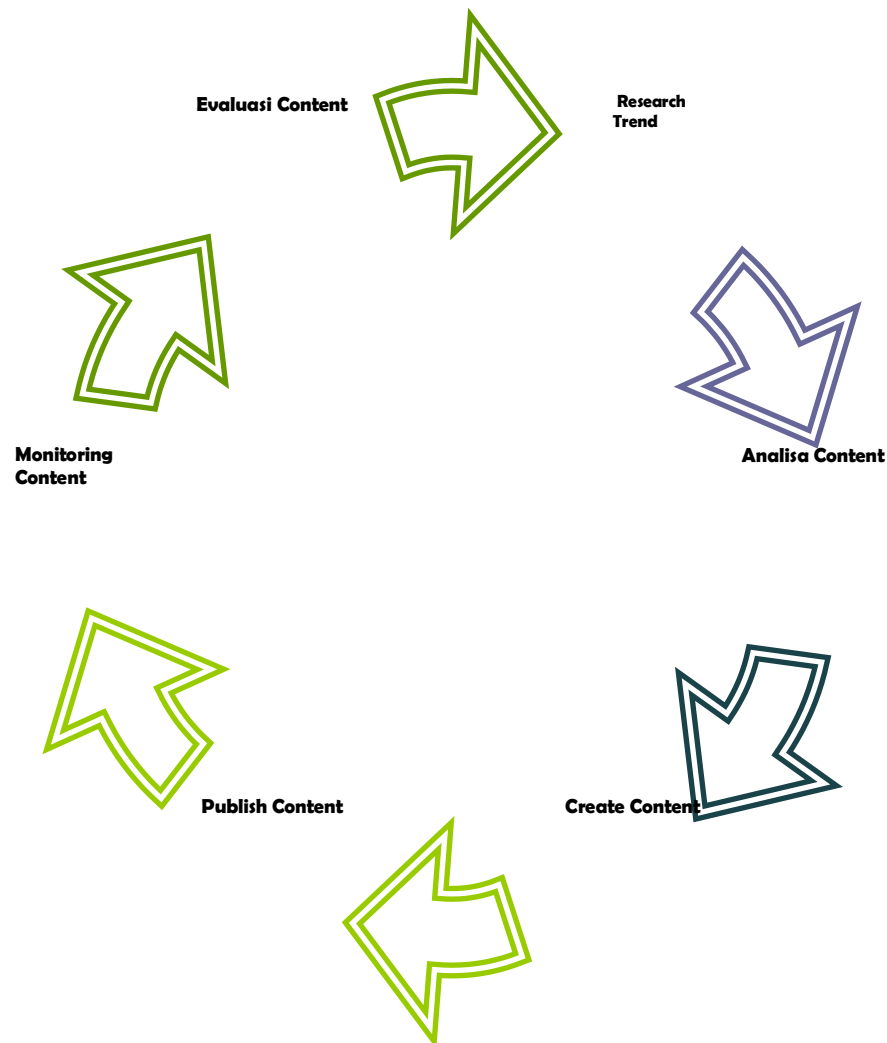


Figure 1. Technical Content

This is a technical for create a content, first step is research trending topic and finding the fresh topic in world and nasional with trusted source, next step is analisis content, what the topic we got worth it or not to publish on website, next step create content, next step publish content, next step mentoring content, for mentoring must have data 1 week or more and 1week in google analytic, if content view not high than next step evaluation content and publish again, if content have high viewer stop in monitoring content.

2.4 Use-case diagram

Use case diagram describes the functionality expected from the system and gives a graphical overview of the interaction between user and system as shown below:

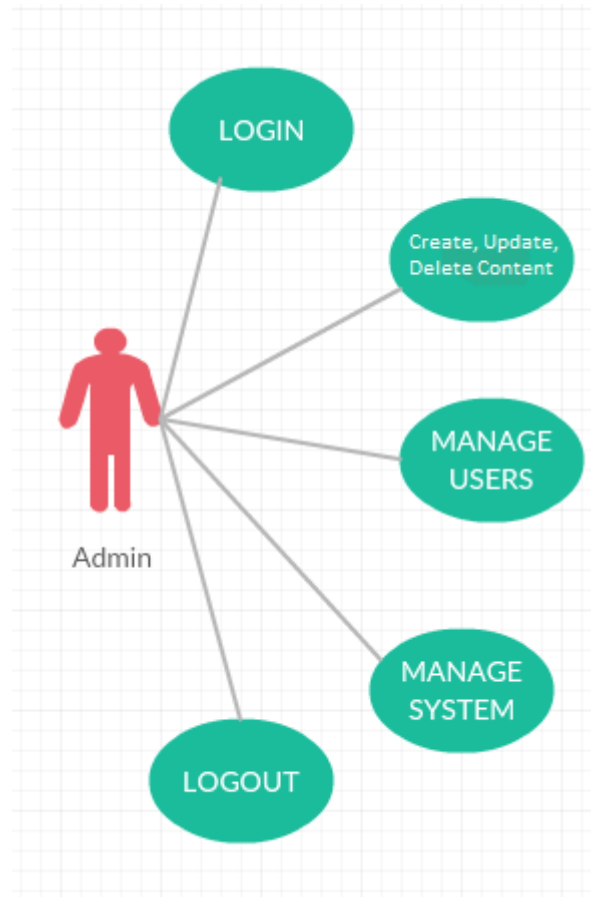


Figure 2. Use Case Diagram Admin

Figure 2 shows the authority of admin starting from login to administrator page. Admin can create, update, delete content, admin can manage users, and system and logout.

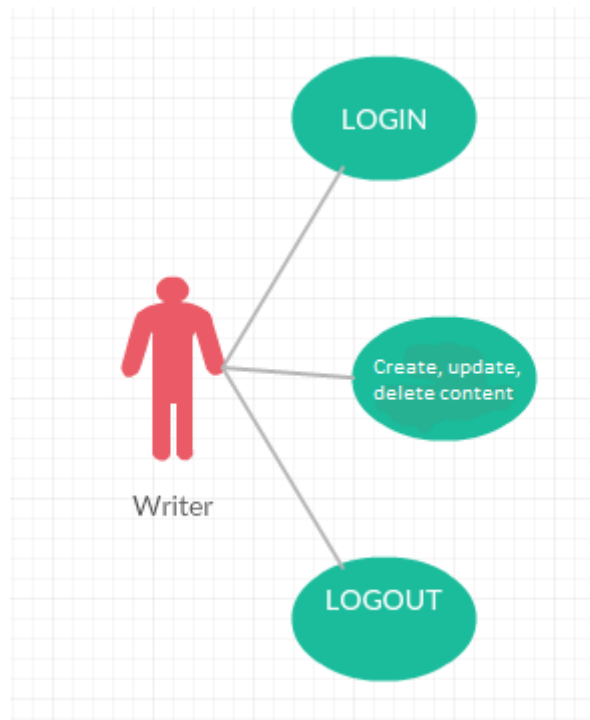


Figure 3. Use Case Diagram Writer

Figure 3 shows the writer authority in website. Writer just have access create, update, and delete content.

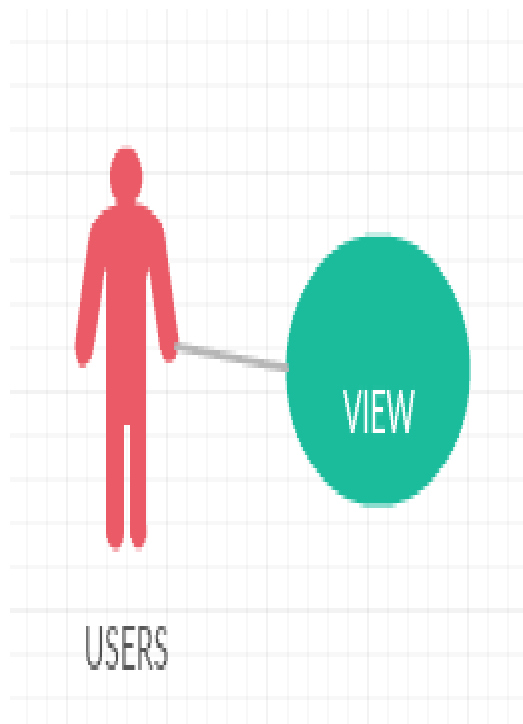


Figure 4. Use Case Diagram Users

Figure 4 shows user only can view the content website.

2.5 Activity Diagram

Activity diagram is important modeling artifacts used in UML, that are used model sequence of actions as part of the process flow. Below is the activity diagram for admin, writer, and user:

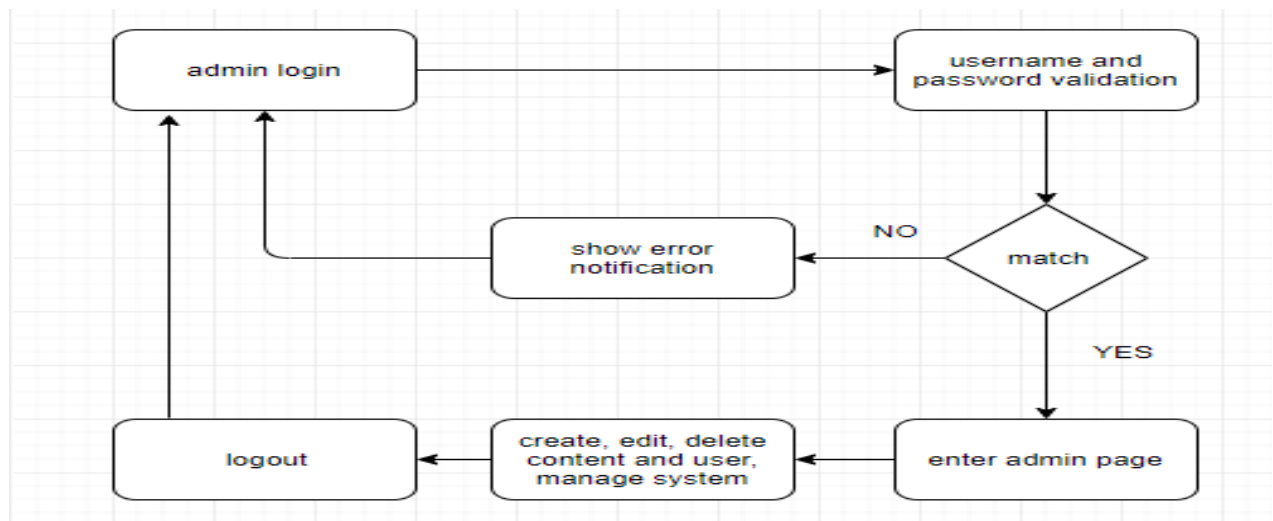


Figure 5. Activity diagram admin

Figure 5 presenting admin can login by input username and password, and then system will validate username and password. If it matches, it will direct to the admin page. If not, it will go back to admin login. In the admin page, the admin can create, edit, delete users and content or manage the system, and then if the admin logs out, it goes back to admin login.

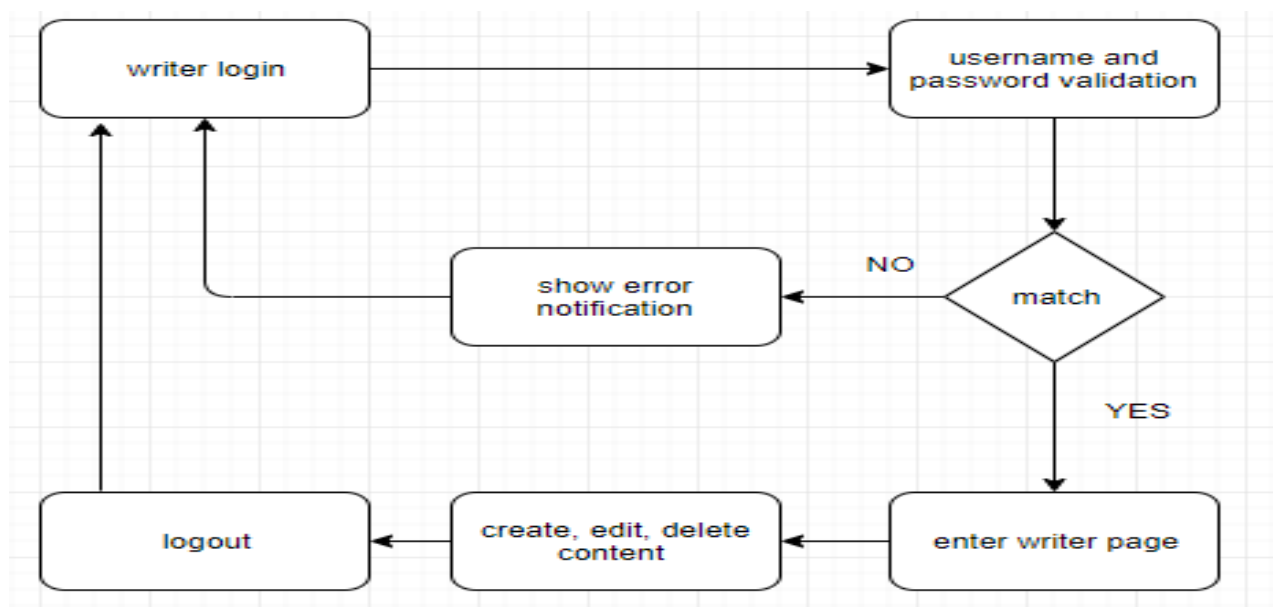


Figure 6. Activity diagram writer

Figure 6 presenting writer can login by input username and password, and then system will validate username and password. If it matches, it will direct to the writer page. If not, it will go back to writer login. In the writer page, the writer can only create, edit, delete content, and then if the writer logs out, it goes back to writer login.



Figure 7. Activity diagram user

Figure 7 user only seeing website and content.

2.6 Main Tools and Software

The hardware uses : intel i5-3570K CPU @ 4.00 Ghz, VGA Rx 470 8gb Shapire, Ram 8gb, and software including Microsoft Windows 10 Profesional, Google Crome, Xampp, Visual Code, Hosting, and Domain.

2.7 Testing

There are 2 methods used to test the system those are blackbox and questionnaire.

3. RESULT AND DISCUSSION

3.1 Application Result

3.1.1 Admin Page

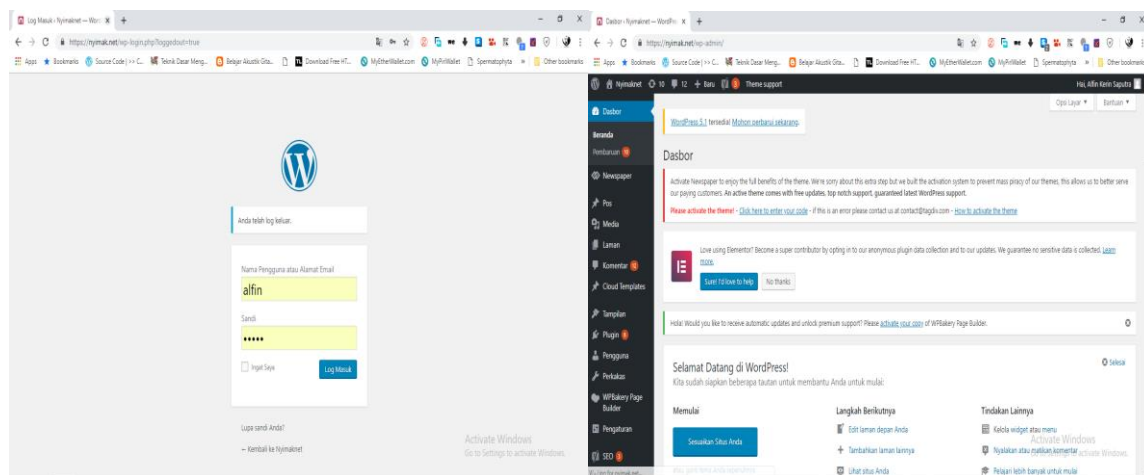


Figure 8. Login Admin

Figure 9. Dashboard Admin

The administrator input his username and password in the form shown in figure 8. If username and password correctly the page will be directing to dashboard admin shown in figure 9. But if input wrong the page will shows error notification. In figure 8 have more option as create content, change theme, manage user, add plugin, and SEO configuration.

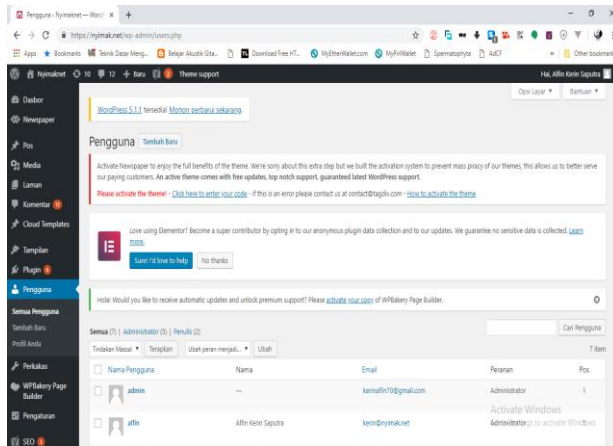


Figure 10. User Management

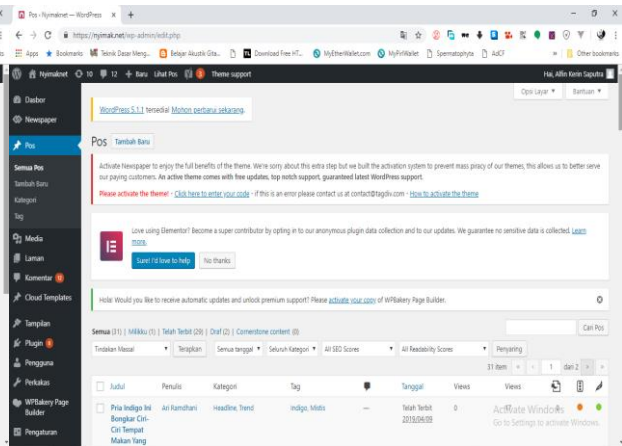


Figure 11. Post Page

Figure 10 shows user management page, admin can create, delete user and give a role for user. In figure 11 shows post page, admin can management all post on there likes create, delete, and edit post content.

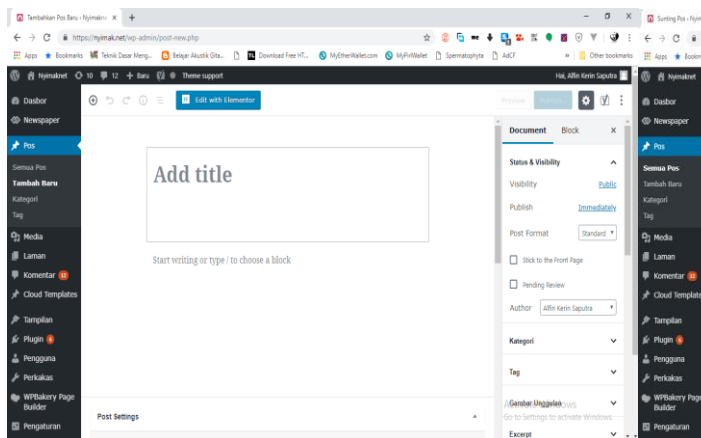


Figure 12. Create Content

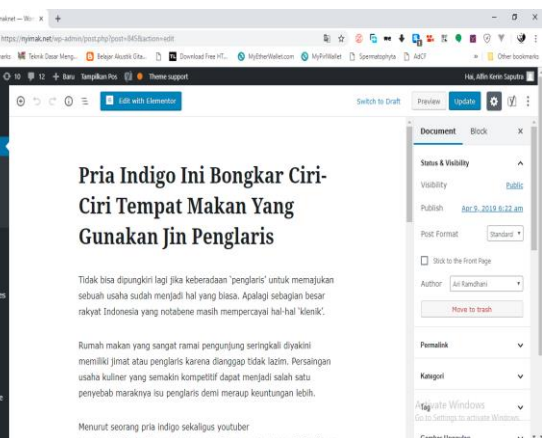


Figure 13. Edit Content

Figure 12 shows how to create a content, there are have more optional likes insert image, category, headline, and etc. In figure 13 admin can edit all content and republish.

3.1.2 Writer Page

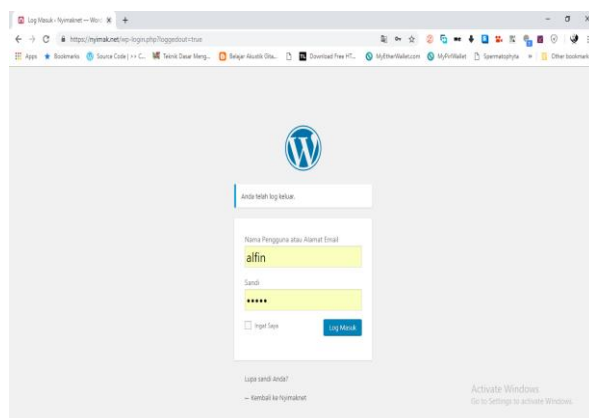


Figure 14. Login Writer

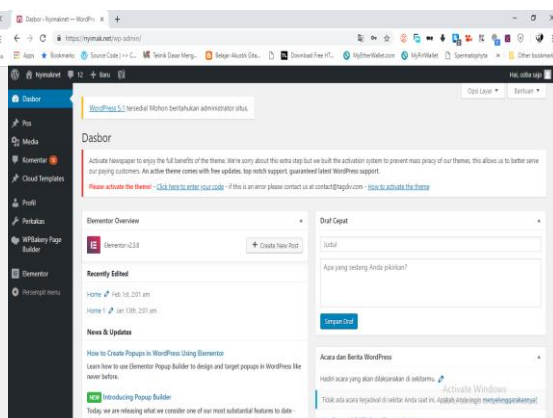


Figure 15. Dashboard Writer

Figure 14 shows login page, writer must input username and password and then system will be checking username and password, if correctly will be directing to dashboard writer shown in figure 15. Write only can create content, edit, and delete.

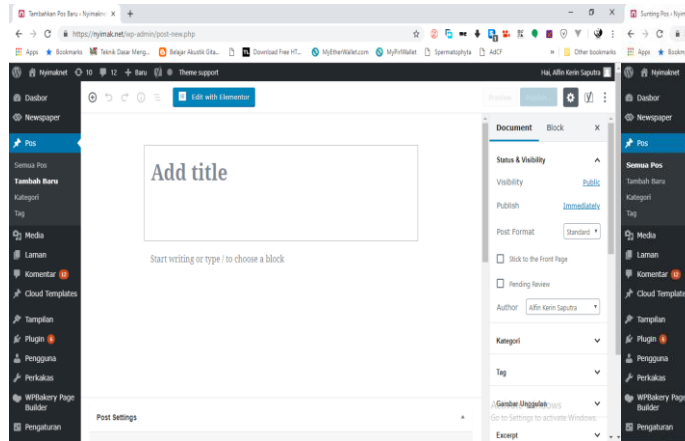


Figure 16. Create Content Writer

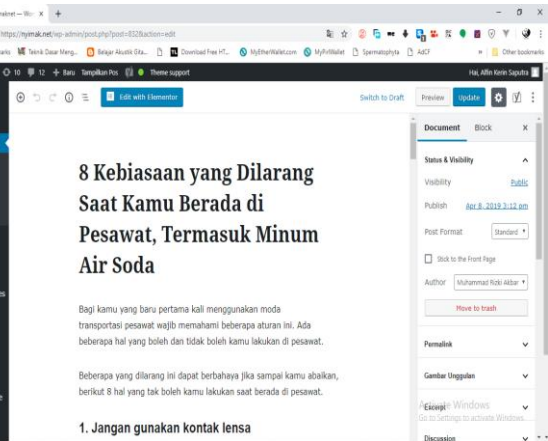


Figure 17. Edit Content Writer

Figure 16 same like admin writer can create content, in figure 17 writer only edit content created by himself and can not edit another content from other writer.

3.1.3 Users Page

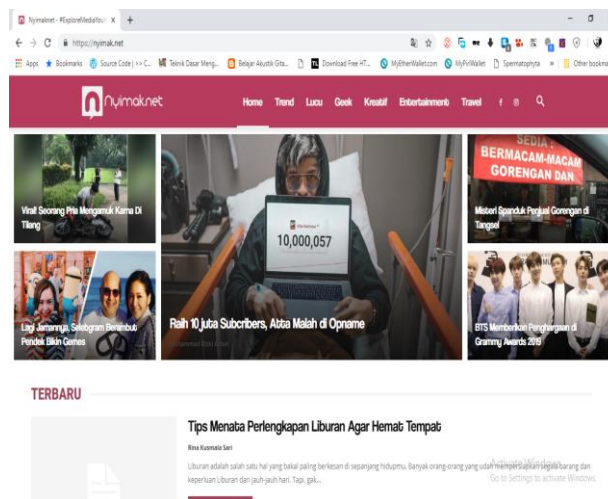


Figure 18. Home Page Nyimak.net

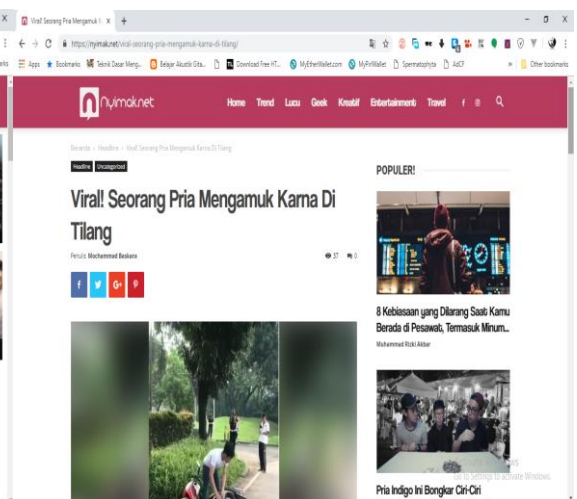


Figure 19. Content Page

In figure 18 user only view the content and the trending topic, user can view on headline website for the hot news, if user click on content will be directing to figure 19.

3.2 Discussion

3.2.1 Questionnaire Testing

Small surveys conducted to test the application performance. Ten of my friends were involved. They tried to use the application in website and answering 4 questions. The table below shows the result:

Table 1. Questionnaire Testing

Question	Surveyor										Total
	A	B	C	D	E	F	G	H	I	J	
1.Is the information real ?	2	3	3	2	3	3	3	2	2	2	25/30
2.Does the application interface good enough ?	2	2	2	2	2	2	2	2	2	2	20/30
3.Does the application running well ?	3	3	3	2	2	2	2	3	2	2	24/30
4.Does the application give you easily reading and understanding ?	3	3	3	3	3	3	3	3	3	3	30/30

From the survey result, the lowest total point earned by *Interface Design* and the highest was *Easily Reading and Understanding*. And now how to calculate :

$$P = \frac{N}{N_{max}} \times 100\% \quad (1)$$

Notes:

P : Percentage Value

N : Result of Value

Nmax : Max Value

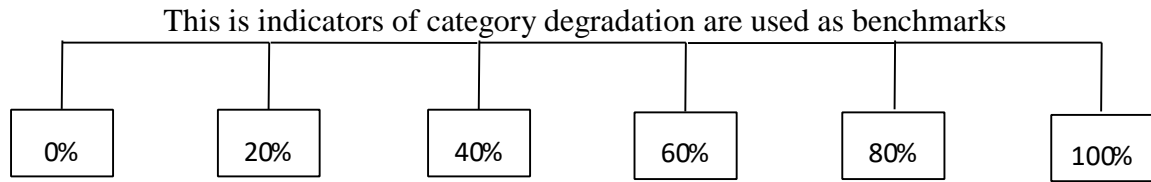


Figure 20. Indicators of category

0% – 20% = bad

21% – 40% = not bad

41% – 60 % = enough

61% – 80% = good

81% –100% = very good

Table 2. Result

Question	Value	Presentage	Result
1.Is the information real ?	25	83.3%	Very good
2.Does the application interface good enough ?	20	66.6%	Good
3.Does the application running well ?	24	80.0%	Good
4.Does the application give you easly reading and understanding ?	30	100%	Very good
Total	99	329.9%	
Average	24.7	82.5%	Very good

From the table average value is 24.7 and 82.5% and the result is very good, validity and reliability test are used to determine the level of validaty and reliability of the aplication.

3.2.2 Blackbox Testing

Blackbox testing is a find out whether the feature in application system is running well or not.

Table 3. Blackbox Testing

No	Menu/Feature	Expectation	Result
1	Login	Input username and password correctly	Valid
2	Login	Input username and password wrongly	Valid
3	Login	Input username without password	Valid
4	Home	Click menus in home page	Valid
5	Manage Content	Can create, edit, and delete content	Valid
6	Change Password	Admin and writer can changes password	Valid
7	Manage User	Can create, edit, delete users	Valid
8	Content Page	User can view content	Valid
9	Manage Theme	Admin can change or delete theme wordpress	Valid
10	Monitoring Content	Admin can view how much content viewed by user	Valid
11	Logout	Out from application	Valid

3.3 Conclusion

Mostly digital media information content use formal words, and these made user bored. The millennial and z generation usually likes a simple information which is easy to read, has jokes and trending words. Nyimak.net provides easy to read news without hoax like on social media, rumor, etc.

4. Closing

Based case, knowledge, and experience, this website can be useful for users to gain information. The users can be spared with hoax and fake information, the website also has good user interface and make users not confused.

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